

# CANADIAN ANAESTHETISTS' SOCIETY JOURNAL.

## VOLUME 13

### INDEX OF AUTHORS

- Aldrete, J. A., and FRASER, J. G.,** Intravenous lidocaine as a supplement to nitrous oxide anaesthesia for radical middle ear surgery, 397
- AMAHA, K.,** see **STEEN, S. N.,** jt. auth.
- AUBRY, U.,** **CARIGNAN, G.,** **CHARETTE, D.,** **KEÉRI-SZÁNTÓ, M.,** and **LAVALLEE, J.-P.,** Neuroleptanalgesia with fentanyl-droperidol: An appreciation based on more than 1000 anaesthetics for major surgery, 263
- Bagwell, E. E.,** **GADSEN, R. H.,** **RISINGER, K. B. H.,** and **WOODS, E. F.,** Blood levels and cardiovascular dynamics during fluroxene anaesthesia in dogs, 378
- BARTON, N.,** see **ZAUDER, H. L.,** jt. auth.
- BEARCROFT, W. G. C.,** see **FLEMING, S. A.,** jt. auth.
- BECKWITT, H.,** see **VIRTUE, R. W.,** jt. auth.
- BENNETT, E. J.,** see **ZAUDER, H. L.,** jt. auth.
- BLENKARN, G. D.,** and **FAIRLEY, H. B.,** The accuracy of two simplified versions of the haldane apparatus in the hands of inexperienced residents, 176
- BOBA, A.,** and **DREWS, J.,** Effects of halothane on life expectancy of mice, 282
- BOITEAU, G. M.,** and **DECHÈNE, J.-P.,** Nyli-drin HCl: A beta-sympathetic stimulant in the management of haemorrhagic shock, 252
- BOND, F. O.,** see **URBANOWICZ, N. N.,** jt. auth.
- BOUCHARD, T.,** **TANGUAY, F.,** et **BREAULT, Y.,** Le chlorodiazépoxycide comme agent préanesthésique, 62
- BOULANGER, M. L.,** et **LEPAGE, C.,** La démonstration de la technique d'intubation trachéale, 620
- BOYES, H. W.,** see **EVANS, D.,** jt. auth.
- BREAULT, Y.,** see **BOUCHARD, T.,** jt. auth.
- BRINDLE, G. F.,** see **GALINDO, A.,** jt. auth.
- BROWN, K.,** **JOHNSTON, A. E.,** and **CONN, A. W.,** Respiratory insufficiency and its treatment following paediatric cardiovascular surgery, 342
- BYLES, P. H.,** see **DOBKIN, A. B.,** jt. auth.
- Campbell, D. J.,** see **LEACOCK, A. M.,** jt. auth.
- see **MCINTYRE, J. W. R.,** jt. auth.
- CARIGNAN, G.,** see **AUBRY, U.,** jt. auth.
- CHAPADOS, R.,** and **PAIEMENT, B.,** A case of acute intermittent porphyria, 616
- CHARETTE, D.,** see **AUBRY, U.,** jt. auth.
- CHARLEBOIS, P. A.,** Coring: The unseen menace, 585
- CONN, A. W.,** see **BROWN, K.,** jt. auth.
- see **CREIGHTON, R. E.,** jt. auth.
- see **JOHNSTON, A. E.,** jt. auth.
- see **RELTON, J. E. S.,** jt. auth.
- see **TE, L. T.,** jt. auth.
- see **URBANOWICZ, N. N.,** jt. auth.
- CORMIER, A.,** **GOYETTE, M.,** **KEÉRI-SZÁNTÓ, M.,** and **RHEAULT, J.,** A comparison of the action of meperidine and diazepam in anaesthetic premedication, 368
- CREIGHTON, R. E.,** **WHALEN, J. S.,** and **CONN, A. W.,** The management of congenital diaphragmatic hernia, 124
- see **RELTON, J. E. S.,** jt. auth.
- CULLEN, W. G.,** Malignant hyperpyrexia during general anaesthesia: A report of two cases, 437
- Davenport, H. T.,** see **THUT, W. H.,** jt. auth.
- DAVIES, L. E.,** and **GRAVES, H. B.,** Hyperpyrexia and death associated with general anaesthesia, 447
- DECHÈNE, J.-P.,** see **BOITEAU, G. M.,** jt. auth.
- DICKSON, R. C.,** Quelques facteurs physiologiques modifiant le risque opératoire, 7
- Some physiological factors affecting operative risks, 1
- DOBKIN, A. B.,** **BYLES, P. H.,** and **NEVILLE, J. F., JR.,** Neuroendocrine and metabolic effects of general anaesthesia and graded haemorrhage, 453
- Neuroendocrine and metabolic effects of general anaesthesia during spontaneous breathing, controlled breathing, mild hypoxia, and mild hypercarbia, 130
- DREWS, J.,** see **BOBA, A.,** jt. auth.
- Emanuel, C. I.,** see **FLEMING, S. A.,** jt. auth.
- ENGELBRECHT, E. R.,** **HUGILL, J. R.,** and **GRAVES, H. B.,** Anaesthetic management of pheochromocytoma, 598
- EVANS, D.,** and **BOYES, H. W.,** Experiences with a portable peripheral nerve stimulator, 300
- Fairley, H. B.,** The oxygen tightrope, 98
- see **BLENKARN, G. D.,** jt. auth.

- FLEMING, S. A., and BEARCROFT, W. G. C., The effect of repeated administration of halothane on the livers of healthy monkeys, 347
- FLEMING, S. A., VEIGA-PIRES, J. A., MCCUTCHEON, R. M., and EMANUEL, C. I., A demonstration of the site of action of intravenous lignocaine, 21
- FOX, G. S., see WYNANDS, J. E., jt. auth.
- FRASER, J. G.; see ALDRETE, J. A., jt. auth.
- FUNG, H., see McCAUGHEY, T. J., jt. auth.
- Gadsen, R. H., see BAGWELL, E. E., jt. auth.
- GALINDO, A., BRINDLE, C. F., and GILBERT, R. G. B., Hepatic circulation and hepatic function during anaesthesia and surgery: IV. Halothane anaesthesia
- GEBBIE, D., Anaesthesia and death, 390
- GELMON, L. J., see TAN, R. G. B., jt. auth.
- GILBERT, R. G. B., see GALINDO, A., jt. auth.
- GORDON, R. A., see HUNTER, M. E., jt. auth.
- GOYETTE, M., see CORMIER, A., jt. auth.
- GRAVES, H. B., see DAVIES, L. E., jt. auth.
- see ENGELBRECHT, E. R., jt. auth.
- GRIFFITH, H. R., Problems in anaesthesiology for the aged, 14
- Professor Edgar Alexander Pask, an appreciation, 530
- Heron, M., see VIRTUE, R. W., jt. auth.
- HOGG, S., and RENWICK, W., Hyperpyrexia during anaesthesia, 429
- HUGILL, J. R., see ENGELBRECHT, E. R., jt. auth.
- HUNTER, M. E., and GORDON, R. A., Laboratory and clinical studies of 2-phenylalanine-8-lysine vasopressin (Octapressin), 40
- Jacob, J. C., and VARKEY, C. P., Curare sensitivity in ocular myopathy, 449
- JENKINS, L. C., and SCREECH, G., Central venous pressure monitoring in anaesthesia, 513
- see MONROE, J. P., jt. auth.
- JOHNSTON, A. E., and CONN, A. W., The anaesthetic management of tracheo-oesophageal fistula: A review of five years' experience, 28
- see BROWN, K., jt. auth.
- see RELTON, J. E. S., jt. auth.
- Keéri-Szántó, M., see AUBRY, U., jt. auth.
- see CORMIER, A., jt. auth.
- KEIGH, H. E., see LORHAN, P. H., jt. auth.
- KUWABARA, S., and McCAUGHEY, T. J., Artificial ventilation in infants and young children using a new ventilator with the T-piece, 576
- see McCAUGHEY, T. J., jt. auth.
- Lavallee, J.-P., see AUBRY, U., jt. auth.
- LAVOIE, G., Hyperpyrexia during general anaesthesia: A case report, 444
- LEACOCK, A. M., CAMPBELL, D. J., and MCINTYRE, J. W. R., A clinical and biochemical approach to cholinesterase problems in anaesthesia, 550
- LEDUC, C., see PERRAS, L., jt. auth.
- LEPAGE, C., see BOULANGER, M. L., jt. auth.
- LING, C. M., see MONROE, J. P., jt. auth.
- LORE, J., see ZAUDER, H. L., jt. auth.
- LORHAN, P. H., and KEIGH, H. E., Was it halothane? A case report, 68
- LUND, L. O., see VIRTUE, R. W., jt. auth.
- LUNDBORG, R. O., MILDE, J. H., and THEYE, R. A., Effect of nitrous oxide on myocardial contractility of dogs, 361
- McCaughey, T. J., KUWABARA, S., and FUNG, H., Respiratory distress syndrome of the newborn: A critique of current management of the ventilation-oxygenation problem, 476
- see KUWABARA, S., jt. auth.
- McCLISH, A., Diazepam as an intravenous induction agent for general anaesthesia, 562
- MCCUTCHEON, R. M., see FLEMING, S. A., jt. auth.
- MCINTYRE, J. W. R., Awareness during general anaesthesia: Preliminary observations, 495
- see LEACOCK, A. M., jt. auth.
- MCINTYRE, J. W. R., and CAMPBELL, D. J., Serum cholinesterase in anaesthesia with reference to neostigmine, fentanyl, and dihydrobenzpidol, 557
- MARSHALL, B. M., see MORAN, J. H., jt. auth.
- MARTINEZ, L. R., see STEEN, S. N., jt. auth.
- MARK, G. F., and ORKIN, L. R., Overdistention of the urinary bladder during and after anaesthesia, 500
- MILDE, J. H., see LUNDBORG, R. O., jt. auth.
- MINUCK, M., Organization and experiences of a cardiac resuscitation service, 52
- MUNROE, J. P., JENKINS, L. C., and LING, C. M., Experimental central nervous system studies related to anaesthesia: Clinical implications. III. Effects of muscle relaxants on sensory inflow, 109
- MORAN, J. H., and MARSHALL, B. M., A report on clinical uses of droperidol and fentanyl, 272
- Neville, J. F., Jr., see DOBKIN, A. B., jt. auth.
- NUNN, J. F., The lung as a black box, 81
- Orkin, L. R., see MARK, G. F. jt. auth.
- OTTON, P. E., and WILSON, E. J., The cardio-circulatory effects of upper thoracic epidural analgesia, 542

- OZDIL, T., and POWELL, W. F., Urinary output of adrenaline and noradrenaline during anaesthesia and surgery: Preliminary study, 48
- Palement, B., see CHAPADOS, jt. auth.
- PELTON, D. A., see RELTON, J. E. S., jt. auth.
- see URBANOWICZ, N. N., jt. auth.
- PERRAS, L., et LEDUC, C., Débitmètre auxiliaire en anesthésie obstétricale, 71
- PHELPS, M., JR., see VIRTUE, R. W., jt. auth.
- POWELL, W. F., see OZDIL, T., jt. auth.
- Relton, J. E. S., CREIGHTON, R. E., JOHNSTON, A. E., PELTON, D. A., and CONN, A. W., Hyperpyrexia in association with general anaesthesia in children, 419
- RENWICK, W., see HOGG, S., jt. auth.
- RHEAULT, J., see CORMIER, A., jt. auth.
- RISINGER, K. B. H., see BAGWELL, E. E., jt. auth.
- Screech, G., see JENKINS, L. C., jt. auth.
- SIA, R. L., Acute massive collapse of the lungs: A case report
- SKINNER, B. S., A new epidural cannula, 622
- STEEN, S. N., WEITZNER, S. W., AMAKA, K., and MARTINEZ, L. R., The effect of diazepam on the respiratory response to carbon dioxide, 374
- Tan, R. G. B., GELMON, L. J., and WYANT, G. M., Further studies of three antiemetics in common use, 611
- TANGUAY, F., see BOUCHARD, T., jt. auth.
- TE, L. T., and CONN, A. W., Effects of adrenergic beta-receptor blocker on epinephrine cardiac arrhythmias during halothane anaesthesia, 242
- THEYE, R. A., see LUNDBORC, R. O., jt. auth.
- THUT, W. H., and DAVENPORT, H. T., Hyperpyrexia associated with succinylcholine-induced muscle rigidity: a case report, 425
- Urbanowicz, N. N., BOND, F. O., PELTON, D. A., and CONN, A. W., A new concept of humidification, 172
- Varkey, G. P., see JACOB, J. C., jt. auth.
- VEICA-PIRES, J. A., see FLEMING, S. A., jt. auth.
- VIGUERA, M. G., Fluid therapy during paediatric surgery, 290
- VIRTUE, R. W., LUND, L. O., BECKWITT, H. J., and VOGEL, J. H. K., Cardiovascular reactions to gamma hydroxybutyrate in man, 119
- VIRTUE, R. W., LUND, L. O., PHELPS, M., JR., VOGEL, J. H. K., BECKWITT, H., and HERON, M., Difluoromethyl 1,1,2-trifluor-2-chloroethyl ether as an anaesthetic agent: Results with dogs, and a preliminary note on observations with man, 233
- VOGEL, J. H. K., see VIRTUE, R. W., jt. auth.
- Weitzner, S. W., see STEEN, S. N., jt. auth.
- WHALEN, J. S., see CREIGHTON, R. E., jt. auth.
- WILSON, E. J., see OTTON, P. E., jt. auth.
- WOODS, E. F., see BAGWELL, E. E., jt. auth.
- WRIGLEY, F. R. H., see WYNANDS, J. E., jt. auth.
- WYANT, G. M., see TAN, R. G. B., jt. auth.
- WYNANDS, J. E., and FOX, G. S., A clinical comparison of propanidid and thiopentone as induction agents to general anaesthesia, 505
- WYNANDS, J. E., and WRIGLEY, F. R. H., A simple method of humidifying anaesthetic gases, 403
- Zauder, H. L., BARTON, N., BENNETT, E. J., and LORE, J., Colistimethate as a cause of postoperative apnoea, 607

## INDEX OF SUBJECTS

### Acid-base balance

- effect of general anaesthesia on, 159
- effect of Nylidrin on, 259

### Adrenal cortex, stimulation of, a physiological factor affecting operative risk, 1

### Adrenaline, urinary output of during anaesthesia and surgery (Ozdil and Powell), 48

### Adrenergic beta-receptor blocker (Pronethalol), effect of on epinephrine-induced cardiac arrhythmias during halothane anaesthesia (Te and Conn), 342

### Anaesthesia

- apparatus, a debitmeter in obstetrical (Perras and Leduc), 71
- associated with death (Gebbie), 390
- central venous pressure monitoring in (Jenkins and Screech), 513
- cholinesterase problems in, clinical and biochemical approach to (Leacock, Campbell, and McIntyre), 550
- difluoromethyl 1,1,2-Trifluoro-2-Chloroethyl Ether as an agent (Virtue *et al.*), 233
- epidural, liver necrosis following (Lorhan and Keigh), 68
- experimental central nervous system studies related to (Munroe, Jenkins and Ling), 109
- fluroxene, blood levels and cardiovascular dynamics during in dogs (Bagwell *et al.*), 378
- for the aged, problems in (Griffith), 14
- general, and graded hemorrhage, neuroendocrine and metabolic effects of (Dobkin, Byles, and Neville), 453
- general, awareness during (McIntyre), 495
- general, diazepam as an intravenous induction agent for (McClish), 562
- general; malignant hyperpyrexia associated with (Ed.), 415; in children (Relton *et al.*), 419
- general, neuroendocrine and metabolic effects on during spontaneous breathing, controlled breathing, mild hypoxia, and mild hypercarbia (Dobkin, Byles, and Neville), 130
- general, propanidid and thiopentone as induction agents (Wynands and Fox), 505
- halothane, epinephrine-induced cardiac arrhythmias during, effect of adrenergic beta-receptor blocker on (Te and Conn), 242
- harmful effects of oxygen-enriched inspired air during, 101
- hazards associated with prophylaxis, 616
- hepatic circulation and function during (Galindo, Brindle & Gilbert), 328
- hyperpyrexia and death associated with general (Davies and Graves), 447
- hyperpyrexia during (Hogg and Renwick), 429
- hyperpyrexia during general (Lavoie), 444
- intravenous pentobarbital, requirements using muscle relaxants, 111
- malignant hyperpyrexia during general (Cullen), 437
- management of congenital diaphragmatic hernia (Creighton, Whalen, and Conn), 124
- management of pheochromocytoma (Engelbrecht, Hugill, and Graves), 598
- management of tracheo-oesophageal fistula (Johnston and Conn), 28
- modern, film, 305
- nitrous oxide, effect on myocardial contractility of dogs (Lundborg, Milde and Theye), 361
- nitrous oxide, supplemented with lidocaine for radical middle ear surgery (Aldrete and Fraser), 397
- overdistention of the urinary bladder during and after (Marx and Orkin), 500
- oxygen studies, value in (Fairley), 98
- premedication, comparison of meperidine and diazepam (Cormier *et al.*), 368
- regional with intravenous lignocaine (Fleming *et al.*), 21
- serum cholinesterase in, effect of neostigmine, fentanyl and dihydrobenzopyridol (McIntyre and Campbell), 557
- urinary output of adrenaline and noradrenaline during (Ozdil & Powell), 48

### Anaesthetic gases, method of humidifying (Wynands and Wrigley), 403

### Analgesia, epidural, upper thoracic, effects on cardiocirculatory system (Otton and Wilson), 542

### Anti-emetics, *see under* Vomiting

### Apnoea

- anticholinesterase drugs in treatment of succinylcholine induced, 552
- postoperative, colistimethate as a cause (Zauder *et al.*), 607
- succinylcholine as an aetiological factor, 551

### Apparatus

- Campbell's modification of Haldane ap-

- paratus for carbondioxide tension measurement (Blenkarn and Fairley), 176
- centrifugal disc apparatus for humidity therapy, 173
- a debitmeter in obstetrical anaesthesia (Perras and Leduc), 71
- diffuser-head type apparatus for humidity therapy, 172
- Hackney-Collier modification of Haldane, for carbon dioxide tension measurement, (Blenkarn and Fairley), 176
- Haldane (simplified version) for carbon dioxide tension measurement (Blenkarn and Fairley), 176
- Lloyd-Haldane, for carbon dioxide tension measurement, 176
- open throat venturi apparatus for humidity therapy, 173
- portable peripheral nerve stimulator (Evans and Boyes), 300
- ultrasonic generator apparatus for humidity therapy, 174
- Arrhythmias, cardiac, epinephrine-induced during halothane anaesthesia, effect of adrenergic beta-receptor blocker (Te and Conn), 242
- Awareness during general anaesthesia (McIntyre, 495
- Bladder**, urinary, overdistention of during and after anaesthesia (Marx and Orkin), 500
- Block**, *see under* Nerves, Muscles
- Blood**
  - Cell volume, effects of general anaesthetics on, 161
  - gas concentrations, effect of diazepam, 568
  - lactate levels, effect of general anaesthetics on, 156
  - levels, and cardiovascular dynamics during fluorene anaesthesia in dogs (Bagwell *et al.*), 378
  - levels of histamine and serotonin in general anaesthesia, 153
  - pyruvate levels, effect of general anaesthetic agents on, 156
  - serum inorganic phosphorus levels, effects of general anaesthetics on, 155
  - serum potassium levels, effects of general anaesthetic agents on, 156
  - sugar levels, effects of general anaesthetic agents on, 155
- Blood pressure**
  - arterial, effect of Nyliidrin on, 257
  - central venous pressure monitoring in anaesthesia (Jenkins and Screech), 513
  - venous pressure, physiology of, 513
  - venous pressure, technique of measuring, 516
- Blood volume**
  - decrease in, a physiological factor effecting operative risk, 1
  - effect of Nyliidrin on, 254
- Book Reviews**
  - Anaesthesia for Open Heart Surgery*, comp. and ed. by L. E. Franks and D. P. Morse, 409
  - Anaesthesia in Ophthalmology*, W. S. Atkinson, 2nd ed., 307
  - The Application of Neuroleptanalgesia in Anaesthetic and Other Practice: Proceedings of the First British Symposium*, ed. by N. W. Shepherd, 306
  - Auswirkungen der Atemmechanik auf den Kreislauf (The Influence of Respiratory Mechanics on the Circulation)*, R. Schorer, 408
  - Clinical Anaesthesia*, 1, 1965, *Respiratory Therapy*, ed. by P. Safar, 309
  - Clinical Anaesthesia: Management of the Patient in Shock*, ed. by L. R. Orkin, 409
  - Comprehensive Background for Anaesthesiology*, W. F. Powell, 532
  - Emergency Anaesthesia*, ed. by H. L. Thornton and P. F. Knight, 306
  - The Evolution of Anaesthesia*, M. H. Armstrong Davidson, 181
  - Foundations of Anaesthesiology*, A. Faulconer, Jr., and T. E. Keys, 73
  - Fundamental Considerations in Anaesthesia*, C. L. Burstein, 3rd ed., 408
  - Fundamentals of Hyperbaric Medicine*, by the Committee on Hyperbaric Oxygenation, 532
  - General Anaesthesia*, ed. by F. T. Evans and T. C. Gray, 2nd ed., 307
  - Historical and Experimental Approaches to Modern Resuscitation*, J. W. Pearson, 410
  - Hyperbaric Oxygenation*, C. B. Pittinger, 532
  - Medical Education and Anaesthesia*, ed. by Joseph M. White, 625
  - Moderne Narkose-Theorie und Praxis der Routineverfahren (Modern Anaesthesia Theory and Practice of Routine Methods)* L. Barth and Meyer, 2nd ed., 407
  - Neonatal Anaesthesia*, T. N. P. Wilton and F. Wilson, 310
  - Neurolept Analgesia (Die Neuroleptanalgesie)* Report of the Second Symposium on Neurolept Analgesia in Bremen, May 30-31, 1964, ed. by W. F. Henschel, 625
  - Neurosurgical Anaesthesia*, A. R. Hunter, 308

- A Nurses' Guide to Anaesthetics, Resuscitation, and Intensive Care*, Norris and Campbell, 2nd ed., 306
- Parenteral Nutrition (Parenterale Ernaehrung)* ed. by K. Lang, R. Frey, and M. Halmagyi, 629
- A Practice of Anaesthesia*, W. D. Wylie and H. C. Churchill-Davidson, 625
- Principles and Practice of Obstetric Anaesthesia*, J. Selwyn-Crawford, 2nd ed, 308
- Regional Block*, D. C. Moore, 4th ed., 181
- Respiratory Care*, H. H. Bendixen, L. D. Egbert, J. Hedley-Whyte, M. B. Laver, and H. Pontoppidan, 309
- Resuscitation and Cardiac Pacing*, ed. by G. Shaw, G. Smith, and T. J. Thomson, 182
- Yearbook of Anaesthesia*, ed. by S. C. Cullen, 1965-66, 307
- Brain, effect of physiological changes induced by surgery on, 4
- Breathing, *see* Respiration
- Campbell-Haldane apparatus, 176
- Canadian Anaesthetists' Society
- Annual Meeting, Programme, 318
  - "Expo" Meeting, 634
  - Membership list, 1966, 186
  - Statement of policy, 80
- Canadian Oxygen Prize, 79
- Carbon dioxide
- effect of diazepam on respiratory response to (Steen *et al.*), 374
  - excess of, *see* hypercarbia
- Cardiac, *see* under Heart
- Cardiovascular system
- during florixene anaesthesia in dogs (Bagwell *et al.*), 378
  - effect of nitrous oxide on in dogs (Lundborg, Milde, and Theye), 361
  - in children, respiratory insufficiency following and its treatment (Brown, Johnston, and Conn), 342, 625 (letter)
  - reactions to gamma hydroxybutyrate in man (Virtue *et al.*), 110
- Catecholamines, effects of general anaesthetic agents on, 154
- Chlordiazepoxide, as a preanaesthetic agent (Bouchard, Tanguay, and Breault), 62
- Chloroform
- anaesthesia, hepatic circulation and function during (Galindo, Brindle, and Gilbert), 328
  - neuroendocrine and metabolic effects of, 164
- Cholinesterase
- problems in anaesthesia, clinical and biochemical approach (Leacock, Campbell and McIntyre), 550
  - serum, in anaesthesia, effect of neostigmine, fentanyl and dihydrobenzpiridol (McIntyre and Campbell), 557
- Chromatography, gas, value of in measuring blood and gas concentrations of anaesthetic agents, 379
- Circulatory system
- effect of diazepam as an anaesthetic induction agent, 566
  - effects of upper thoracic epidural analgesia on (Otton and Wilson), 542
- Colistimethate, as a cause of postoperative apnoea (Zauder *et al.*), 607
- Congenital anomalies, associated with tracheo-oesophageal fistula, 29
- Coring, the unseen menace (Charlebois), 585
- Curare, sensitivity in ocular myopathy (Jacob and Varkey), 449
- Cyclopropane
- neuroendocrine and metabolic effects of, 164
  - occurrence of liver necrosis after (Lorhan and Keigh), 68
- DFMTFCE, *see* Difluoromethyl 1,1,2-Trifluoro-2-Chloroethyl Ether
- Decamethonium, effect on anaesthetic requirements, 111
- Diazepam
- as an intravenous induction agent for general anaesthesia (McClish), 562
  - as a muscle relaxant, 572
  - compared with meperidine anaesthetic premedication (Cormier *et al.*), 368
  - effect on respiratory response to carbon dioxide (Steen *et al.*), 374
  - hypnotic effect, 572
- Death
- anaesthesia and (Gebbie), 390
  - hyperpyrexia during general anaesthesia causing, 447
- Diethyl ether, neuroendocrine and metabolic effects of, 164
- Difluoromethyl 1,1,2-Trifluoro-2-Chloroethyl Ether, as an anaesthetic agent (Virtue *et al.*), 233
- Dihydrobenzpiridol, effect on normal serum cholinesterase activity following surgery (McIntyre and Campbell), 557
- Droperidol
- neuroleptanalgesia with, for major surgery (Aubry), 263
  - use with fentanyl in neuroleptanalgesia (Moran and Marshall), 272
- Drugs
- anti-emetic, in common use (Tan, Gelmon, and Wyant), 611



- toxicity from, a problem in anaesthesiology for the aged, 15
- Ear, middle, surgery, intravenous lidocaine**  
as a supplement to nitrous oxide anaesthesia (Aldrete and Fraser), 397
- Edrophonium, in treatment of succinylcholine-induced apnoea, 552**
- Electrolyte imbalance, a problem in anaesthesiology for the aged, 15**
- Endocrine system, neuroendocrine and metabolic effects of general anaesthesia and graded haemorrhage on (Dobkin, Byles, and Neville), 453**
- Epidural anaesthesia, see under Anaesthesia**
- Epinephrine-induced cardiac arrhythmias during halothane anaesthesia, effect of adrenergic beta-receptor blocker (Te and Conn), 242**
- Fentanyl**  
effect on normal serum cholinesterase activity following surgery (McIntyre and Campbell), 557  
neuroleptanalgesia with, for major surgery (Aubry *et al.*), 263  
with droperidol in neuroleptanalgesia (Moran and Marshall), 272
- Fever**  
hyperpyrexia and death associated with general anaesthesia (Davies & Graves), 447  
hyperpyrexia associated with succinylcholine-induced muscle rigidity (Thut and Davenport), 425  
hyperpyrexia during anaesthesia (Hogg and Renwick), 429  
hyperpyrexia during general anaesthesia (Lavoie), 444  
hyperpyrexia in children associated with general anaesthesia (Relton *et al.*), 419  
hyperpyrexia, malignant, during general anaesthesia (Ed.), 415  
hyperpyrexia, malignant, during anaesthesia (Cullen), 437  
hyperthermia, effect on the body, 433
- Fluid balance**  
alterations during surgery, 292  
fundamentals of, 290  
problem in anaesthesiology for the aged, 15
- Fluid therapy, during paediatric surgery (Viguera), 290**
- Fluoroxene**  
anaesthesia, effect on blood levels and cardiovascular dynamics in dogs (Bagwell), 378  
compared with DFMTFCE as an anaesthetic agent, 234
- neuroendocrine and metabolic effects of, 164
- Gallamine, effect on anaesthetic requirements, 111**
- Gamma hydroxybutyrate, cardiovascular reactions to, in man (Virtue *et al.*), 119**
- Gas chromatography: see Chromatography**
- Genito-urinary surgery, neuroleptanalgesia in, 273**
- Gynaecology, surgical procedures, neuroleptanalgesia in, 273**
- Hackney-Collier Haldane apparatus, 176**
- Haldane apparatus, 176**
- Halothane**  
A case report (Lorhan and Keigh), 68  
anaesthesia, epinephrine-induced cardiac arrhythmias during, effect of adrenergic beta-receptor blocker on (Te and Conn), 242  
anaesthesia, hepatic circulation and function during (Galindo, Brindle, and Gilbert), 328  
compared with DFMTFCE as an anaesthetic agent, 234  
effect on life expectancy of mice (Boba and Drews), 282  
effect on the liver (Fleming and Bearcroft), 247  
neuroendocrine and metabolic effects of, 164
- Heart**  
arrhythmias, *see* Arrhythmias  
cardiac output, effect of Nylidrin on, 254  
cardiac resuscitation service, organization and experience (Minuck), 52  
effect of physiological changes induced by surgery on, 4
- Haemorrhage, graded, neuroendocrine and metabolic effects of (Dobkin, Byles, and Neville), 453**
- Hepatic, see under Liver**
- Hernia, congenital diaphragmatic: diagnosis, classification, management (Creighton, Whalen, and Conn), 124**
- Histamine, effect of general anaesthetics on blood levels of, 153**
- Huckabee's thesis, 157**
- Humidification**  
a new concept (Urbanowicz), 172  
of anaesthetic gases, a simple method (Wynands and Wrigley), 403
- Hypercarbia**  
a problem in anaesthesiology for the aged, 15  
neuroendocrine and metabolic effects of general anaesthesia during (Dobkin, Byles, and Neville), 130, 147
- Hyperpyrexia, see under Fever**

- Hypertension, pulmonary, a problem in paediatric surgery, 344
- Hyperthermia, *see* Fever
- Hyperventilation, *see* under Respiration
- Hypoxaemia, *see* under Oxygen
- Hypoxia  
     neuroendocrine and metabolic effects of general anaesthesia during (Dobkin, Byles, and Neville), 130, 138  
     a problem in anaesthesiology for the aged, 14
- Infants, newborn, respiratory distress syndrome (McCaughey, Kuwabara, and Fung), 476
- Inhalation therapy, training of technicians for (Ed.), 323
- Innovar, neuroendocrine and metabolic effects of, 164
- Intubation  
     during neuroleptanalgesia, 265  
     endotracheal in infants and children, modification of T-piece technique, 576  
     endotracheal, technique of (Boulanger and Lepage), 620  
     nasal, complications, 349
- Jackson Rees modification of T-piece ventilator, 578
- Kidney function, effect of physiological changes induced by surgery on, 5
- Lidocaine  
     as a supplement to nitrous oxide anaesthesia for radical middle ear surgery (Aldrette and Fraser), 397  
     intravenous, demonstration of the site of action (Fleming *et al.*), 21
- Liver  
     effect of halothane on (Fleming and Bearcroft), 247  
     effect of physiological changes induced by surgery on, 5  
     hepatic circulation and function during anaesthesia and surgery (Galindo, Brindle, and Gilbert), 328  
     necrosis, halothane as a cause (Lorhan and Keigh), 68
- Lloyd-Haldane apparatus, 176
- Lungs  
     acute massive collapse (Sia), 303  
     function, importance of study for the anaesthetist (Nunn), 81  
     function, models of, 82  
     pulmonary embolization, analysis of lung function in patients with, 95  
     ventilation-perfusion relationships, analysis of in patient care, 89
- Meetings, 75, 229, 313, 413, 533, 632
- Meperidine, compared with diazepam in anaesthetic premedication (Cormier *et al.*), 368
- Metabolism  
     effect of general anaesthesia on, (Dobkin, Byles, and Neville), 130  
     Effect of general anaesthesia and graded haemorrhage on (Dobkin, Byles, and Neville) 453
- Methoxyflurane  
     compared with DFMTFCE as an anaesthetic agent, 234  
     neuroendocrine and metabolic effects of, 164
- Monitoring, central venous pressure, in anaesthesia (Jenkins and Screech), 513
- Muscle blocking action of antibiotics, 607
- Muscle relaxants  
     effects of on sensory inflow (Munroe, Jenkins, and Ling), 109  
     influence on anaesthetic requirements, 111
- Muscle rigidity, induced by succinylcholine, hyperpyrexia associated with (Thut and Davenport), 425
- Myocardial contractility, effect of nitrous oxide on, in dogs (Lundborg, Milde, and Theye), 361
- Myopathy, ocular, curare sensitivity in (Jacob and Varkey), 449
- Neostigmine  
     effect on normal serum cholinesterase activity following surgery (McIntyre and Campbell), 557  
     in treatment of succinylcholine-induced apnoea, 552
- Nerve palsies, a problem in anaesthesiology for the aged, 17
- Nerves  
     portable peripheral nerve stimulator (Evans and Boyes), 300  
     upper thoracic epidural block, circulatory changes following, 545
- Nervous system  
     central, studies related to anaesthesia (Munroe, Jenkins, and Ling), 109  
     effect of diazepam as an anaesthetic induction agent, 566
- Neuroendocrine substances, effects of general anaesthesia, on (Dobkin, Byles, and Neville), 130
- Neuroleptanalgesia  
     induction, 265  
     intubation in, 265  
     maintenance of, 267  
     radiotherapy, 277  
     recovery from, 268  
     stereotactic surgery, 275  
     use of droperidol and fentanyl in (Moran and Marshall), 272



- with fentanyl-droperidol, in major surgery (Aubrey *et al.*), 263
- Neuroleptanalgesic drugs, as preoperative sedatives, 278
- Neurosurgery, neuroleptanalgesia for, 273
- News Letter
  - British Columbia division, 184, 630
  - Manitoba division, 184, 412
  - Ontario division, 185
  - Quebec division, 311, film on modern anaesthesia, 315
  - Saskatchewan division, 184
- Nitrous oxide
  - anaesthesia, intravenous lidocaine as a supplement, for radical middle ear surgery (Aldrete and Fraser), 397
  - effect on myocardial contractility of dogs (Lundborg, Milde, and Theye), 361
- Noradrenaline, urinary output of during anaesthesia and surgery (Ozdil and Powell), 48
- Nylidrin HCl, in management of haemorrhagic shock (Boiteau and Dechêne), 252
- Obituaries**
  - King, A. Charles, 411
  - Pask, Edgar Alexander, 530
- Obstetrics, use of a debitmeter in anaesthesia in (Perras and Leduc), 71
- Octapressin, *see* 2-Phenylalanine-8-Lysine vasopressin
- Ohio Deluxe ventilator for endotracheal intubation in infants and children, 577
- Old age, problems of anaesthesia in (Griffith), 14
- Ophthalmology, surgical procedures with neuroleptanalgesia, 273
- Orthopaedic surgery, neuroleptanalgesia in, 273
- Oxygen
  - blood tension measurements in anaesthesia (Fairley), 98
  - hypoxaemia, problem of in anaesthesia, 100
  - insufficiency, *see* Hypoxia
- Oxygenation, studies of (Fairley), 98
- Pentobarbital**
  - anaesthesia, requirements of used with muscle relaxants, 111
  - effect on anaesthetic requirements, 111
- Peripheral resistance, effect of Nylidrin on, 257
- Perphenazine, as an anti-emetic, 614
- 2-Phenylalanine-8-vasopressin (octapressin), laboratory and clinical studies (Hunter and Gordon), 40
- Pheochromocytoma, anaesthetic management of (Engelbrecht, Hugill, and Graves), 598
- Physiology, factors affecting operative risk (Dickson), 1
- Porphyria, acute intermittent (Chapados and Paiement), 616
- Postoperative, *see under* Surgery
- Posture, a problem in anaesthesiology for the aged, 17
- Preanaesthetic medication, chloridiazepoxide as an agent (Bouchard, Tanguay, and Breault), 62
- Preoperative, *see under* surgery
- Pronethalol, effect of on epinephrine-induced cardiac arrhythmias during halothane anaesthesia (Te and Conn), 242
- Propanidid
  - letter to Ed., 179
  - compared with thiopentone as an induction agent to general anaesthesia (Wynands and Fox), 505
- Psychic trauma, a problem in anaesthesiology for the aged, 17
- Pulmonary hypertension, *see under* Hypertension
- Radiotherapy, neuroleptanalgesia in, 277**
- Respiration**
  - analysis of ventilation-perfusion relationships in patient care, 89
  - artificial ventilation in infants and young children using a new ventilator with the T-piece (Kuwabara and McCaughey), 576
  - controlled, following cardiac surgery in children, indications for, 3
  - controlled, neuroendocrine and metabolic effects of general anaesthesia during (Dobkin, Byles, and Neville), 130, 138
  - effect of diazepam on response to carbon dioxide (Steen *et al.*), 374
  - hyperventilation in the treatment of hypoxaemia, efficacy of, 102
  - hypoventilation, a problem in anaesthesia, 92
  - hypoventilation during halothane anaesthesia, effect on hepatic circulation and function (Calindo, Brindle, and Gilbert), 328
  - insufficiency and its treatment following paediatric cardiovascular surgery (Brown, Johnston, and Conn), 324, 625 (letter)
  - spontaneous, neuroendocrine and metabolic effects of general anaesthesia during (Dobkin Byles, and Neville), 130, 133
  - ventilation-oxygenation problem, management of in cases of respiratory distress syndrome of the newborn (McCaughey, Kuwabara, and Fung), 467

- Respirators**, 349  
   new, with T-piece in infants and young children (Kuwabara and McCaughey), 576  
   positive pressure and negative pressure, comparison of, 488
- Respiratory distress syndrome in newborn** (McCaughey, Kuwabara, and Fung), 476
- Respiratory system**  
   effect of diazepam as an anaesthetic induction agent, 566  
   physiology in the newborn, 476
- Retrolental fibroplasia**, danger of in treatment of respiratory distress syndrome in the newborn, 487
- Royal College of Physicians of Canada**, Examination results for Fellowship and Certification in Anaesthesia, 183
- Serotonin**, effects of general anaesthetics on blood levels of, 153
- Shock**, haemorrhagic, management with Nyli-drin HCl (Boiteau and Dechène), 252
- Succinylcholine**  
   as a cause of apnoea, 551  
   effect on anaesthetic requirements, 111  
   muscle rigidity, induced by, hyperpyrexia associated with (Thut and Devenport), 425
- Surgery**  
   acute massive collapse of lungs following (Sia), 303  
   cardiovascular in children, postoperative assessment of the patient, 346  
   effect on fluid balance, 292  
   hepatic circulation and function during (Calindo, Brindle, and Gilbert), 328  
   homeostatic mechanisms during, 293  
   major, neuroleptanalgesia with fentanyl-droperidol for (Aubry), 263  
   neuroleptanalgesia in (Moran and Marshall), 272  
   of congenital diaphragmatic hernia: operative management, 127; postoperative complications, 127; postoperative management, 127  
   of middle ear, intravenous lidocaine as a supplement to nitrous oxide anaesthesia in (Aldrete and Fraser), 397  
   paediatric cardiovascular, respiratory insufficiency and its treatment following (Brown, Johnston, and Conn), 342, 625 (letter)  
   paediatric, fluid therapy during (Viguera), 290  
   physiological factors affecting operative risk (Dickson), 1  
   tracheo-oesophageal fistula: anaesthetic management, 33; complications during operation, 34; postoperative care, 35; preoperative preparation of the patient, 32
- Thiethylperazine**, as an anti-emetic, 613
- Thiopental**, neuroendocrine and metabolic effects of, 164
- Thiopentone**, compared with propofid as an induction agent to general anaesthesia (Marx and Fox), 505
- Tigan®**, *see* Trimethoxybenzamide
- Tracheo-oesophageal fistula**, anaesthetic management of, a review of five years' experience (Johnston and Conn), 28
- Trichlorethylene**, neuroendocrine and metabolic effects of, 164
- Trimethoxybenzamide** (Tigan®), as an anti-emetic, 612
- d-Tubocurarine**, effect on anaesthetic requirements, 111
- Urinary output** of adrenaline and noradrenaline during anaesthesia and surgery (Ozdil and Powell), 48
- Urine**, excretion, effects of general anaesthetics on, 161
- Vagal stimulation**, effect of in cats given muscle relaxants, 111
- Valium**, *see* Diazepam
- Venous pressure**, *see under* Blood pressure
- Ventilation**, *see under* Respiration
- Ventilators**, *see* Respirators
- Vomiting**, anti-emetics in common use (Tan, Gelmon and Wyant), 611
- WinLiz Nebulizer** for humidity therapy, 174

